

## [54] RAIN SAMPLING DEVICE

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## Related U.S. Application Data

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[58] Field of Search ..... 346/33 R; 364/420, 550, 364/478; 73/170 R, 171, 189; 340/601, 602

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## [57] ABSTRACT

The present invention constitutes a rain sampling device adapted for independent operation at locations remote from the user which allows rainfall to be sampled in accordance with any schedule desired by the user. The rain sampling device includes a mechanism for directing wet precipitation into a chamber, a chamber for temporarily holding the precipitation during the process of collection, a valve mechanism for controllably releasing samples of said precipitation from said chamber, a means for distributing the samples released from the holding chamber into vessels adapted for permanently retaining these samples, and an electrical mechanism for regulating the operation of the device.

10 Claims, 6 Drawing Sheets

